

Claims

- [c1] What is claimed is:
1. An image capturing device electrically connected to a servicing station, the servicing station connected to a network, an on-line user client connected to the network, the image capturing device comprising:
 - a housing;
 - an image generating module installed inside the housing for generating image data and transmitting the image data to the servicing station; and
 - a control circuit installed inside the housing and electrically connected to the image generating module for controlling operations of the image capturing device;the servicing station comprising:
 - a driver program for commanding the control circuit to control the operations of the image capturing device;
 - a network servicing program for controlling communications between the servicing station and the network and providing an on-line user list; and
 - an image transmitting program for transmitting the image data via the network;wherein when the control circuit receives a start signal, the control circuit controls the image generating module to generate the image data and transmit the image data to the servicing station, and then the image transmitting program transmits the image data to the on-line user client via the network according to the on-line user list.
 - [c2] 2. The image capturing device of claim 1 further comprising a button installed on the housing for generating the start signal.
 - [c3] 3. The image capturing device of claim 1 wherein the servicing station further comprises an event detector, and when the control circuit receives the start signal, the control circuit transmits a peripheral signal to the event detector, and then the event detector notifies the driver program to receive the image data from the image capturing device.
 - [c4] 4. The image capturing device of claim 3 wherein when the control circuit receives the start signal, the control circuit generates an interrupt request to the servicing station.

- [c5] 5.The image capturing device of claim 3 wherein when the control circuit receives the start signal, a flag is changed, and the event detector periodically polls the flag to ascertain whether the flag has been changed.
- [c6] 6.The image capturing device of claim 3 wherein the servicing station further comprises an event table, and when the event detector receives the peripheral signal, the event detector notifies the driver program to receive the image data from the image capturing device according to the event table.
- [c7] 7.The image capturing device of claim 6 wherein the servicing station further comprises an operating system, the event table being built into the operating system.
- [c8] 8.The image capturing device of claim 1 wherein the image transmitting program transmits the image data to the on-line user client via the network servicing program.
- [c9] 9.The image capturing device of claim 6 wherein the servicing station further comprises a data storage device, and when the driver program receives the image data, the image data is stored in the data storage device, the image transmitting program receiving the image data from the data storage device.
- [c10] 10.The image capturing device of claim 9 wherein when the image transmitting program receives the image data from the data storage device, the image data stored in the data storage device is deleted.
- [c11] 11.The image capturing device of claim 9 wherein the data storage device is dynamic memory or a magnetic media.
- [c12] 12.The image capturing device of claim 1 wherein the servicing station further comprises related user data which records a plurality of user information, the network servicing program providing the on-line user list according to the related user data so that the on-line user list only lists on-line users with related user data records.
- [c13] 13.The image capturing device of claim 1 wherein the network further comprises a server, the on-line user list being received from the server, the network servicing

program transmitting user information to the server via the network, and then the server transmitting the on-line user list to the network servicing program.

- [c14] 14.The image capturing device of claim 13 wherein the server further comprises related user data which records a plurality of user information, the server providing the on-line user list to the network servicing program according the related user data so that the on-line user list only lists on-line users with related user data records.
- [c15] 15.The image capturing device of claim 14 wherein the server provides registration and a network user groups service.
- [c16] 16.The image capturing device of claim 1 wherein the network servicing program detects the network directly to provide the on-line user list.
- [c17] 17.The image capturing device of claim 1 wherein the on-line user client comprises a receiving program for receiving the image data from the servicing station.
- [c18] 18.The image capturing device of claim 17 wherein the image transmitting program generates a preview image, a total data amount of the preview image being less than a total data amount of the image data, the image transmitting program transmitting the preview image to the on-line client via the network before transmitting the image data, the receiving program showing the on-line user client the preview image after the receiving program receives the preview image, the on-line user client being able to determine whether to receive the image data or not after seeing the preview image.
- [c19] 19.The image capturing device of claim 1 wherein the image capturing device is a scanner.
- [c20] 20.The image capturing device of claim 1 wherein the image capturing device is a digital camera.